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# COTTON LITERATURE

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COMPILED BY EMILY L. DAY, LIBRARY SPECIALIST IN COTTON MARKETING,  
BUREAU OF AGRICULTURAL ECONOMICS, WASHINGTON, D. C.

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# COTTON LITERATURE

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## PRODUCTION

### GENERAL

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In Spanish.

For work of the agronomic section on cotton see p.3-7; and for work of the entomological section on cotton insects see p.63-65, 73-81.

Queensland. Department of agriculture and stock. Cotton growing in Queensland. Pt.I.Cotton cultivation by W.G. Wells...and Pt.II.A bulletin for farmers giving an account of the insect pests of cotton and their habits, and some measures for controlling them, by E.Ballard Brisbane, 1927. 54p. illus. (Received June 1931)

### Botany

Miller, Edwin Cyrus. Plant physiology with reference to the green plant. New York, McGraw-Hill Book Company, 1931. 900p. illus. tables.

For references to cotton see index.

### Genetics

McClelland, C.K. The genetics, breeding and improvement of corn and cotton. A bibliography covering more than forty years work (1889-1929) in the breeding, improvement, and study of inheritance in corn and cotton. Fayetteville, Ark., 1930. 48+26p.

"Cultural tests, fertilizer tests, and variety tests as such are not included but anything of a botanical, cytological or genetical nature has been included. Studies of characteristics, of fruiting, and correlation studies which may now or possibly later have value in connection with their breeding and improvement have also been included."

Agronomy

Carmichael, Peter A. Growing cotton for cellulose. Manufacturers Record, v.100, no.3, July 16, 1931, p.21. (Published at Commerce and Water Sts., Baltimore, Md.)

"Various test plots on a large plantation near Rockingham, N.C., show cotton growing like clover, cotton close-drilled in two-foot rows, blocked hills of cotton, and cotton in a series of rows each differing from every other in the type of cultivation. The immediate purpose of these unusual methods of production is to ascertain which one of them will yield the highest percentage of cellulose content, not in the lint alone, but in the entire plant."

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The scientific foundation of cotton culture in the Ukraine.

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Fahmy, Tewfik. Étude de la pénétration de champignon *Fusarium vasinfectum* Atk. var. *aegyptiacum* T. Fahmy dans les racines du cotonnier. *Bulletin de la Société Botannique de Genève*, ser.2, v.22, Jan.-June 1930, p.62-125. illus. (Published at Geneva, Switzerland)  
Bibliography: p.122-123.

Study of the penetration of the fungus *Fusarium vasinfectum* Atk. var. *aegyptiacum* T. Fahmy into the roots of cotton.

King, C.J., Loomis, H.F., and Hope, Claude. Studies on sclerotia and mycelial strands of the cotton root-rot fungus. *Journal of Agricultural Research*, v.42, no.12, June 15, 1931, p.827-840. illus. (Published by U.S.Department of Agriculture, Washington, D.C.)

Massey, R.E. Studies on blackarm disease of cotton--II. *Empire Cotton Growing Review*, v.8, no.3, July 1931, p.187-213. illus. (Published by P.S.King and Son, Ltd., 14, Great Smith St., London, S.W.1, England)  
References: p.210-211.

### Farm Management

Dickey, J.A. Three-year study of farm management and incomes in a typical upland section of Arkansas. Fayetteville, Ark., May 1931. 58p. (Ark.Agr.exp.sta.bul. 262)

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Jones, B.B. Costs of cotton growing. *Manufacturers Record*, v.100, no.1, July 2, 1931, p.34.

(Published at Commerce and Water Streets, Baltimore, Md.)

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#### General

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Includes statistics of acreage, yield, production, cotton pressed in each State, movement, stocks, and prices.

#### Demand and Competition

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Cotton bagging for cotton bales endorsed by many. Textile World, v.80, no.1, July 4,1931, p.40. (Published by Bragden, Lord and Nagle Co., Inc., Tenth Ave. at 36th St., New York, N.Y.)

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The German cotton industry in 1930.

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Preprint of paper presented at International Cotton Congress, Paris, June 24, 1931.

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"We have...persuaded an English technical writer to write the following educative notes in the form of answers to questions that were set for the Technological examinations" of the City and Guilds of London.

"(1) Describe fully any three outside growths of cotton. Compare their relative merits and prices with



fully good fair Sakel, fully good fair Uppers or with middling Texas cotton, whichever is the most appropriate."

Russian textile industry under the Five-year plan. Pt. II.-Spinning and weaving. Textile Weekly, v.7, no. 162, Apr.10,1931, p.168-169. illus. (Published at 49, Deansgate, Manchester, England)

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Advice to cotton mills.

What cotton means to Lancashire. A new spirit in the trade. Manchester Guardian Commercial, July 2, 1931 (Lancashire number), p.27-29. (Published at the Guardian Bldg., Manchester, England)

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Williams, Carl. Can cotton remain king in the South and hold its place as chief American export? Cotton Trade Journal, v.11, no.29, July 11, 1931, p.2. (Published at New Orleans, La.)

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Should long-staple cotton be produced in Morocco?

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- Eastwood, A. Cotton growing in Iraq. Empire Cotton Growing Review, v.8, no.3, July 1931, p.178-186. table. (Published by P.S.King and Son, Ltd., 14, Great Smith St., London, S.W.1, England)
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Serruys, M. Report on the influences which may artificially affect the normal trend of cotton prices. [Paris (?) 1931] 10p.

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23,1931, p.34-35.

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#### Fiber, Yarn and Fabric Quality

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"The results of chemical, microscopical, and X-ray studies of the fine structure of the cotton hair are reviewed and the following mechanism of growth is suggested. Three definite stages may be distinguished in the history of growth; first, the formation of the cell in the epidermis of the ovule; secondly, after flowering, the outgrowth of the cuticle to form a very thin tube several thousand times as long as the diameter, which changes little; thirdly, the deposition of secondary thickening to form a strong cell wall."-Textile Institute, Journal, v.22, no.6, June,1931, p.A284.

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Stark, C. Cotton or wood cellulose--Which? A production problem in the manufacture of cellulose esters suitable for plastics. *Plastics and Molded Products*, v.7, no.6, June 1931, p.341-342, 354. (Published at 114 East 32nd Street, New York, N.Y.)

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Werner, K. Comparative viscosity determinations on linters and celluloses, and cellulose acetate produced therefrom, in relation to the course of acetylizing. *Textile Weekly*, v.7, no.174, July 3, 1931, p.568. (Published at 49, Deansgate, Manchester, England)

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